

SUPERMICR<sup>®</sup>

# OfficeBlade<sup>™</sup> Solutions

- Office Environment Computing
- Personal Supercomputer

Blade Systems<sup>4</sup>  
*Insight* 08  
**AWARD**  
  
BEST  
GREEN DATA  
CENTER SOLUTION

*"Best Green Data Center  
Solution Award!"*  
- BladeSystems Insight 2008



- **Super Quiet (50dB)**  
As low as 50dB sound level with 10 DP blades
- **Energy Savings**  
93% high-efficiency power supply, DDR2 memory, and energy-efficient system design
- **High Performance Storage**  
Up to 60 SAS/SATA HDD with SAS controller  
RAID 0, 1, 5, 6, 10, 50, 60
- **Industry Leading Performance Per Watt**  
290 GFLOPS/kW
- **Office Friendly**  
100-240VAC, mobile rack with optional air filter

## Scorecard

**Supermicro  
OfficeBlade**

### Features

★★★★★  
**Ease of Deployment**  
★★★★★  
**Management**  
★★★★★  
**Ease of Use**  
★★★★★  
**Price/Performance**  
★★★★★  
**Profit Potential**  
★★★★★

**Blades of Glory**

**CRN**tech May 2008

[www.supermicro.com](http://www.supermicro.com)

# OfficeBlade™

OfficeBlade™, a member of the SuperBlade® server family, is optimized for small-medium business as well as personal HPC applications. With acoustically enhanced thermal and cooling technologies, OfficeBlade™ can operate at noise levels as low as 50dB with SBI-7125C-S3(E) or SBI-7125C-T3 model.

**Best Cost-Performance  
OfficeBlade™ Solution**



**San Clemente Chipset  
Native DDR2 Memory**



**Seaburg 1600MHz FSB  
6 SAS/SATA HDDs**



**2X 3.5" SATA HDD  
Support up to 2TB**



**High-Performance  
Opteron™ Blade Solution**



Model	SBI-7125C-T3	SBI-7125C-S3(E)	SBI-7125W-S6	SBI-7125B-T1	SBA-7121M-T1
<b>Processors</b>	Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series	Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series	Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series	Two Quad/Dual-Core Xeon® 5400/ 5300/5200/5100 Series	Two AMD Quad/Dual-Core Opteron™ 2300/2200 Series Processors
<b>CPUs per 14U Rack</b>	40	40	40	40	40
<b>Chipset</b>	Intel® 5100	Intel® 5100	Intel® 5400	Intel® 5000P	nVidia MCP55 Pro
<b>Standard Memory</b>	ECC Registered DDR2 667/533 SDRAM in 6 DIMM sockets	ECC Registered DDR2 667/533 SDRAM in 6 DIMM sockets	Fully Buffered DDR2 800/667MHz in 8 DIMM sockets	Fully Buffered DDR2 667/533MHz in 8 DIMM sockets	ECC Registered DDR2 667/533/400 SDRAM in 8 DIMM sockets
<b>Max Memory</b>	48GB	48GB	64GB	32GB	64GB
<b>Max Storage</b>	900GB SATA*	438GB SAS/900GB SATA*	876GB SAS/1.8TB SATA*	2TB SATA	2TB SATA
<b>Hard Disk Drive</b>	Three hot-plug 2.5" SATA* hard disk drives	Three hot-plug 2.5" SAS/SATA* hard disk drives	Six hot-plug 2.5" SAS/SATA* hard disk drives	Two hot-plug 3.5" SATA hard disk drives	Two hot-plug 3.5" SATA hard disk drives
<b>Storage RAID</b>	RAID 0, 1	LSI SAS 1068E; RAID 0, 1, 10; Optional RAID 5	LSI SAS 1078; RAID 0, 1, 5, 6, 10, 50, 60	Intel® ES2; SATA RAID 0, 1	nVidia® MCP55-Pro SATA RAID 0, 1
<b>InfiniBand Support</b>	N/A	4X DDR (20Gb/s) InfiniBand mezzanine HCA* (for SBI-7125C-S3E only)	4X DDR (20Gb/s) InfiniBand mezzanine HCA	4X DDR (20Gb/s) InfiniBand mezzanine HCA	4X DDR (20Gb/s) InfiniBand mezzanine HCA
<b>Ethernet Interface</b>	Intel® 82575EB dual-port Gigabit Ethernet controller	Intel® 82575EB dual-port Gigabit Ethernet controller	Intel® (ESB2) 82563EB dual-port Gigabit Ethernet controller	Intel® ESB2 dual-port Gigabit Ethernet controller	Intel® 82571EB dual-port Gigabit Ethernet controller
<b>Management</b>	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN
<b>Graphics</b>	WinBond Hermon 32MB	ATI ES1000 with 32MB of SDRAM	ATI ES1000 with 16MB of SDRAM	ATI ES1000 with 16MB of SDRAM	ATI ES1000 with 16MB of SDRAM
<b>LED Indicators</b>	Power LED, UID/KVM LED, Networking LED, Fault LED	Power LED, UID/KVM LED, Networking LED, Fault LED	Power LED, UID/KVM LED, Networking LED, Fault LED	Power LED, UID/KVM LED, Networking LED, Fault LED	Power LED, UID/KVM LED, Networking LED, Fault LED
<b>Operating Temp.</b>	10-35°C non-condensing	10-35°C non-condensing	10-35°C non-condensing	10-35°C non-condensing	10-35°C non-condensing
<b>Dimensions</b>	11.32"H x 1.67"W x 18.9"D	11.32"H x 1.67"W x 18.9"D	11.32"H x 1.67"W x 18.9"D	11.32"H x 1.67"W x 18.9"D	11.32" x 1.67" x 18.9"

\*Enterprise class SATA hard drives.

## OfficeBlade™ Rack Cabinet

*Mobility, Protection and Security - Ideal for Office Application/Environment or Personal Supercomputing*

### Key Features:

- ✓ **Mobile 14U Rack Space** - Supports up to 2x 7U blade servers or 1x 7U blade and 7U IT space
- ✓ **Ideal for Office Environment** - The same height as regular furniture (30.64"H)
- ✓ **Upgradeable** - Rear frame mounting space
- ✓ **Mobile** - Available with casters for easy mobility

### Specifications:

- 14U height; 21.65"W x 34.65"D x 30.64"H
- Support the regular 19" rackmount servers with regular square mounting holes
- Front door lock, rack casters with brakes
- Stability supports
- Optional air filter



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